

FIGURE 1

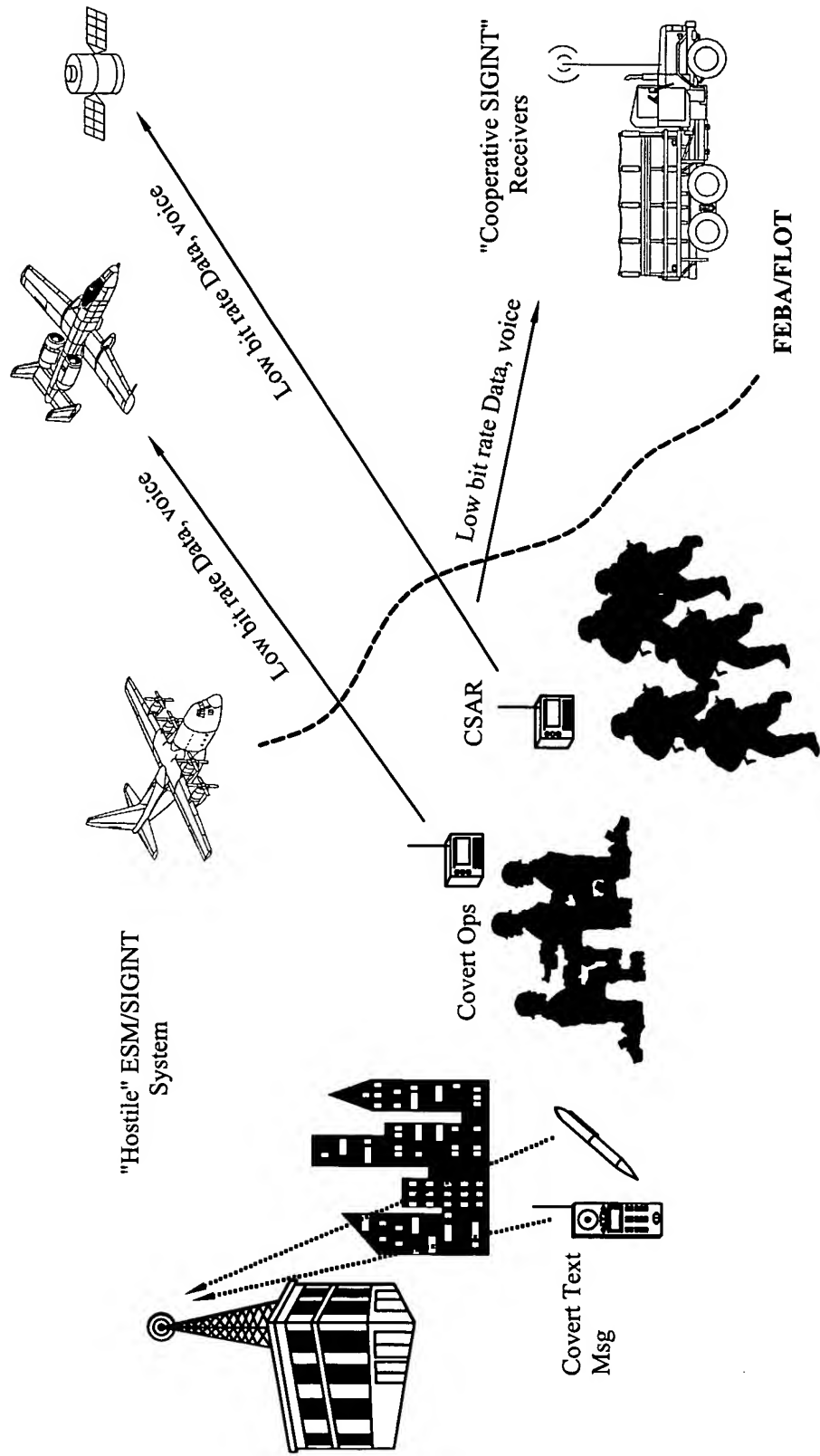


FIGURE 2

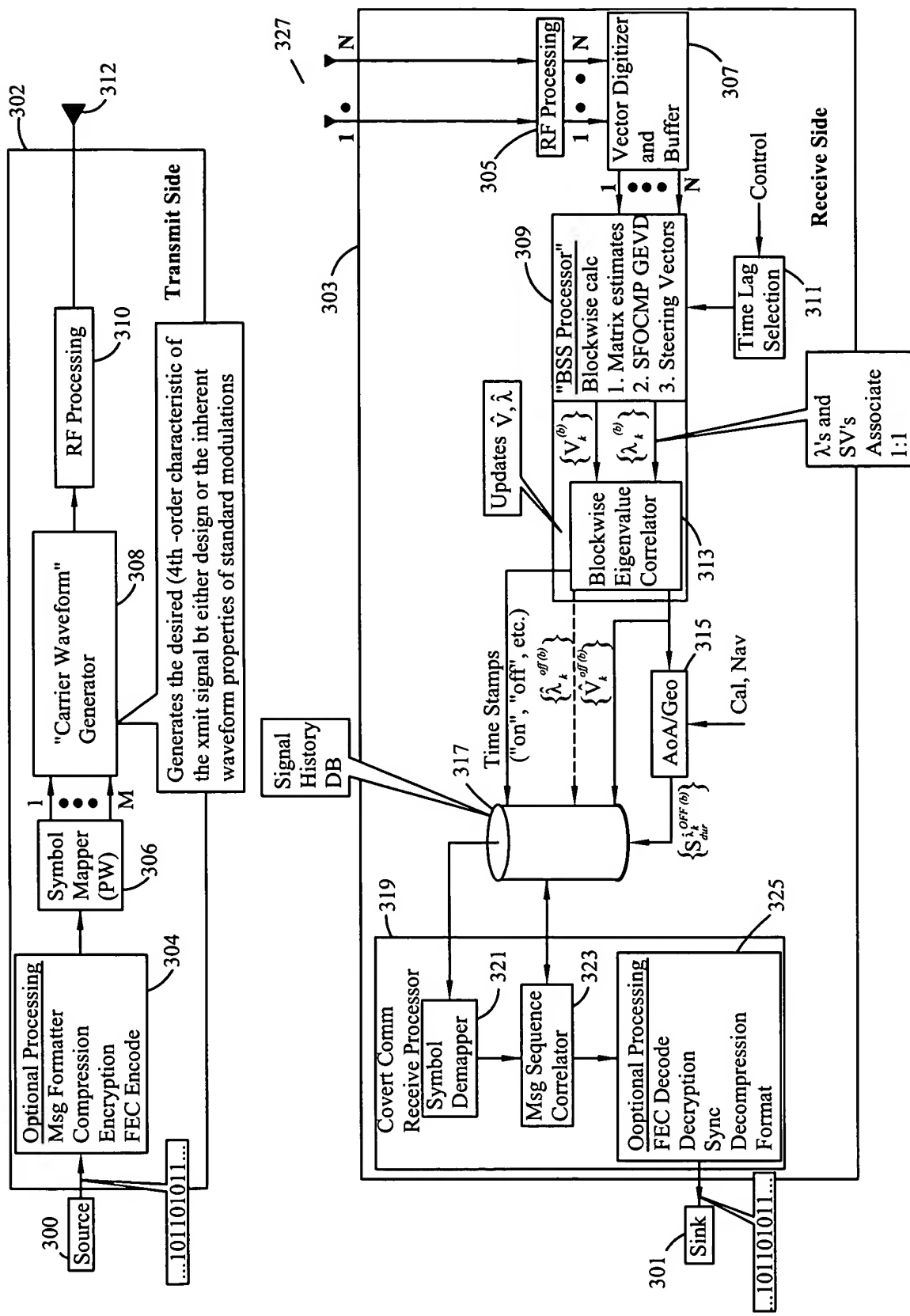
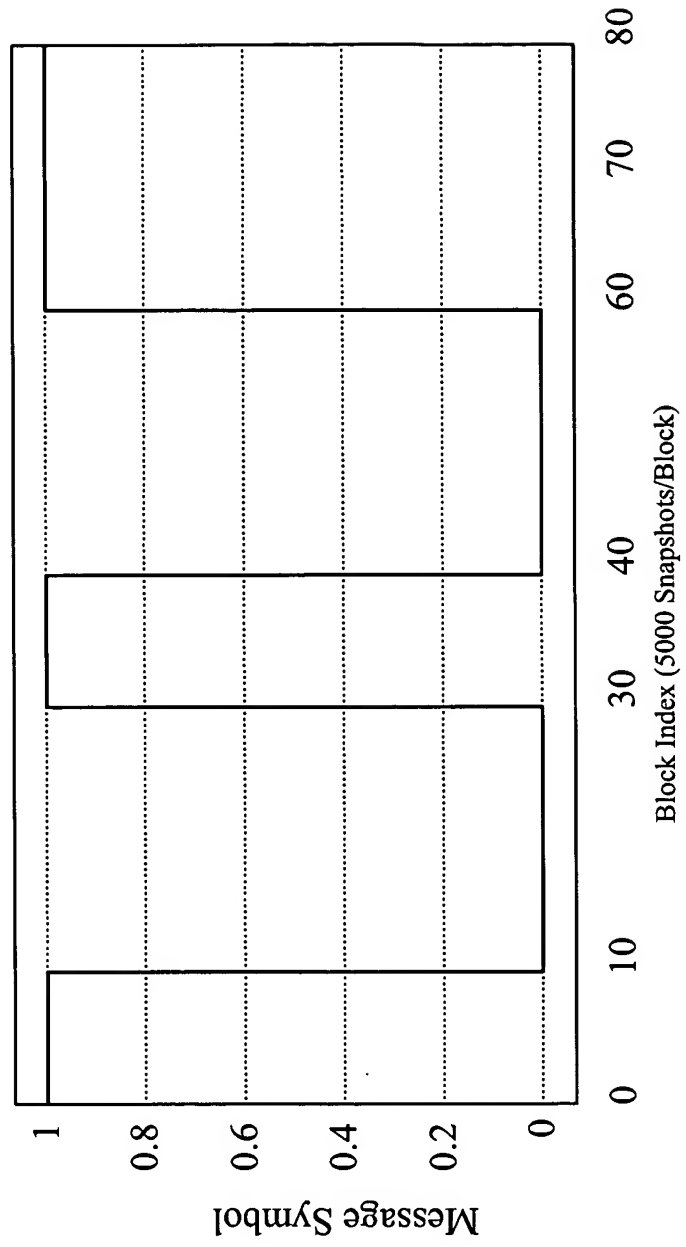


FIGURE 3



Covert message sequence: **1 0 1 0 1 1** where symbols are:
1: 10 5k-sample blocks (50000 samples from array)
0: 20 5k-sample blocks (10000 samples from array)
Covert baseband waveform consists of "narrowband" random noise (Laplace distribution)

FIGURE 4

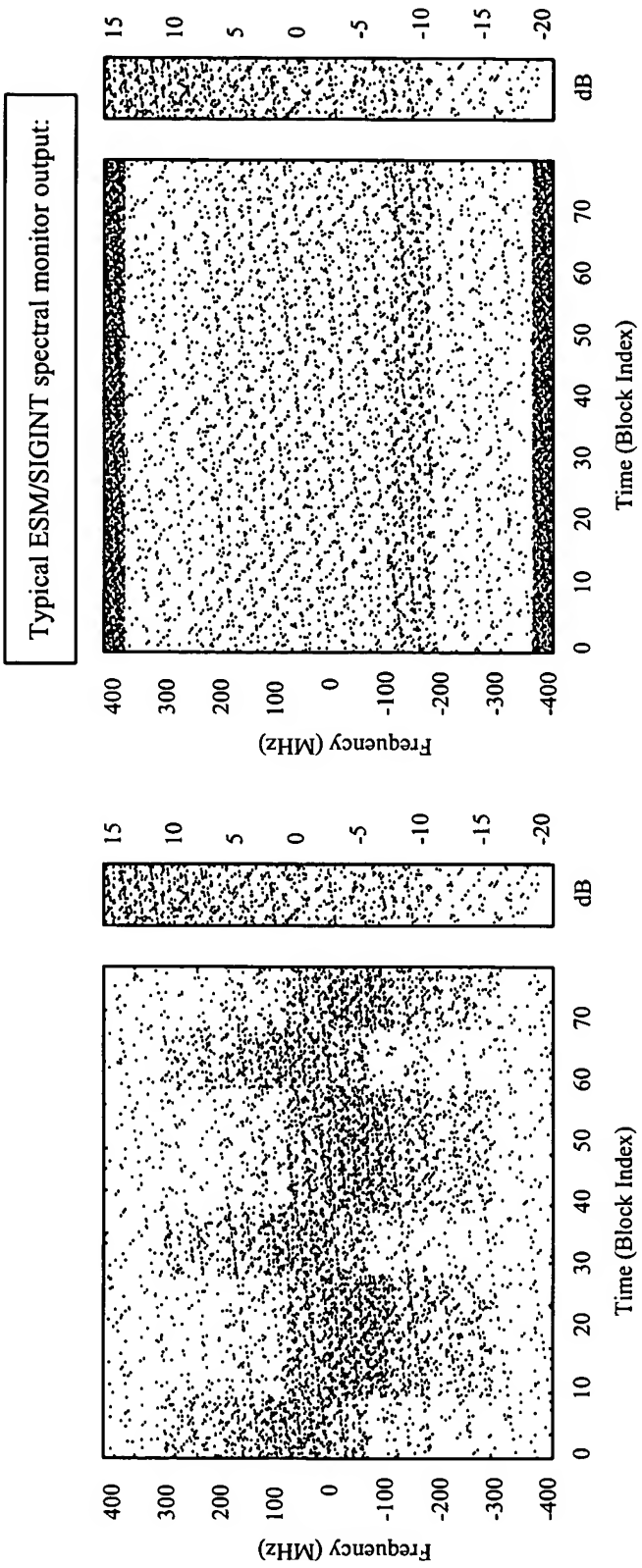


FIGURE 5a

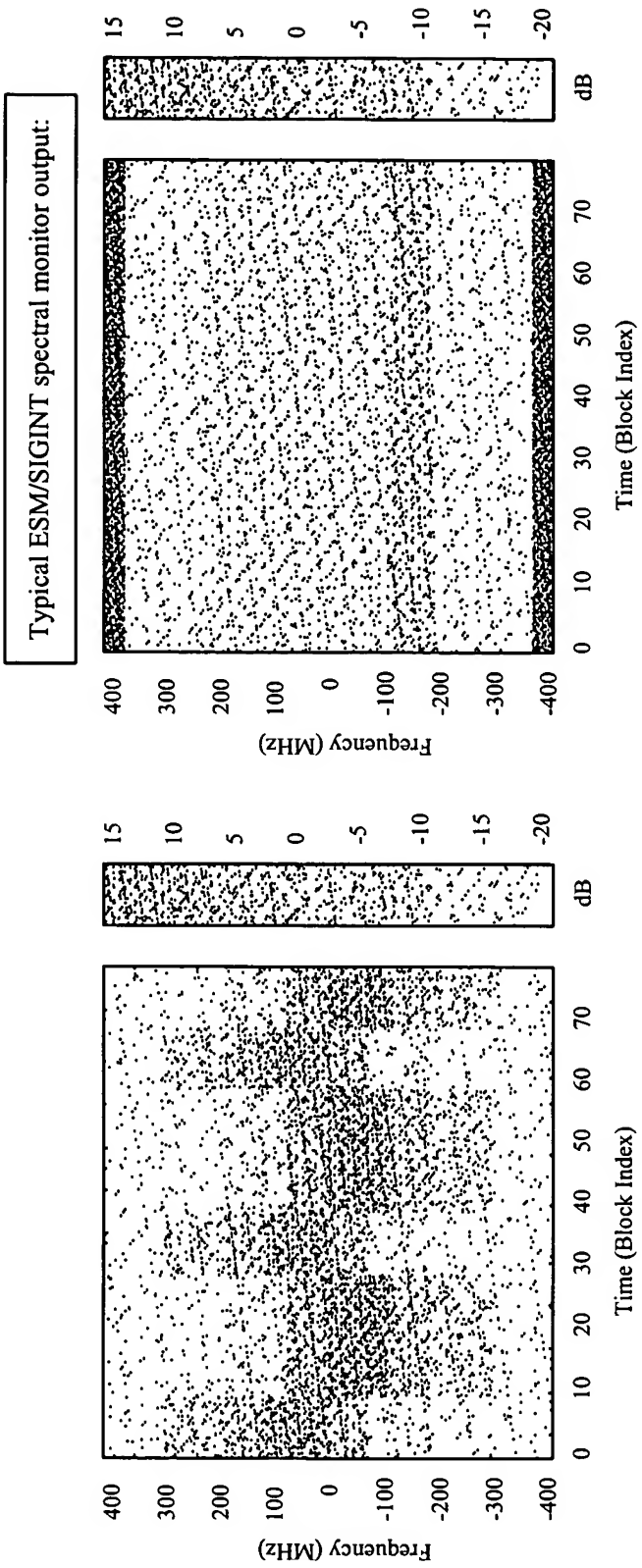


FIGURE 5b

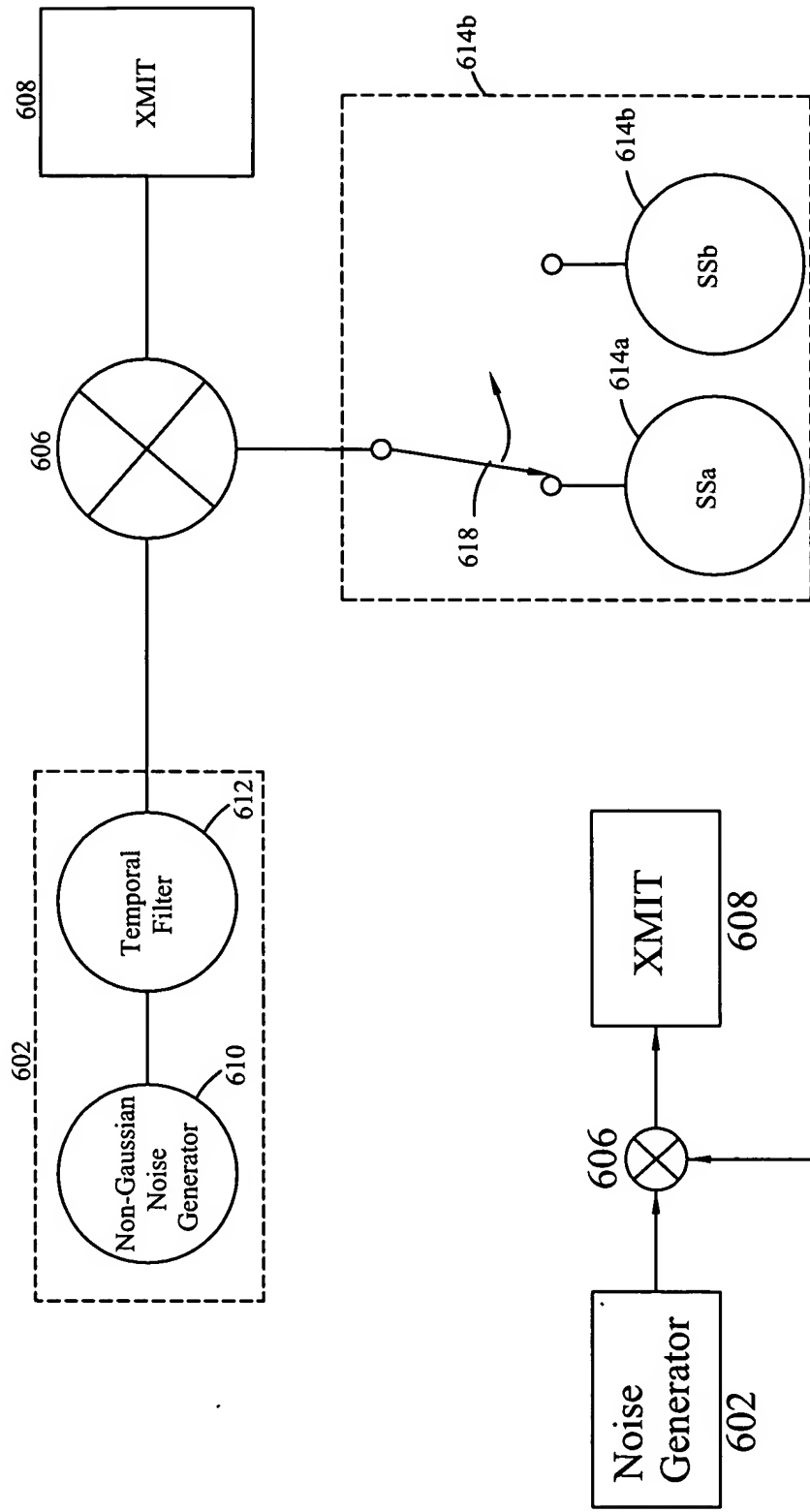


FIGURE 6a

FIGURE 6b

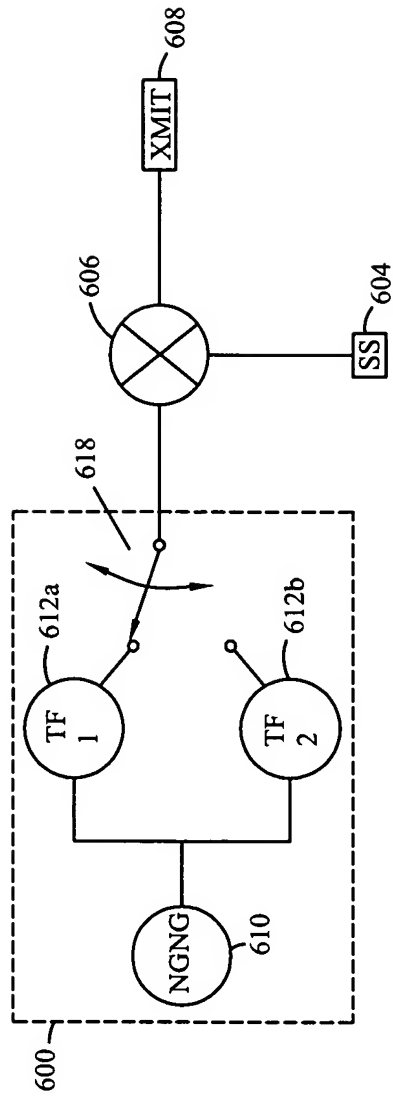


FIGURE 6c

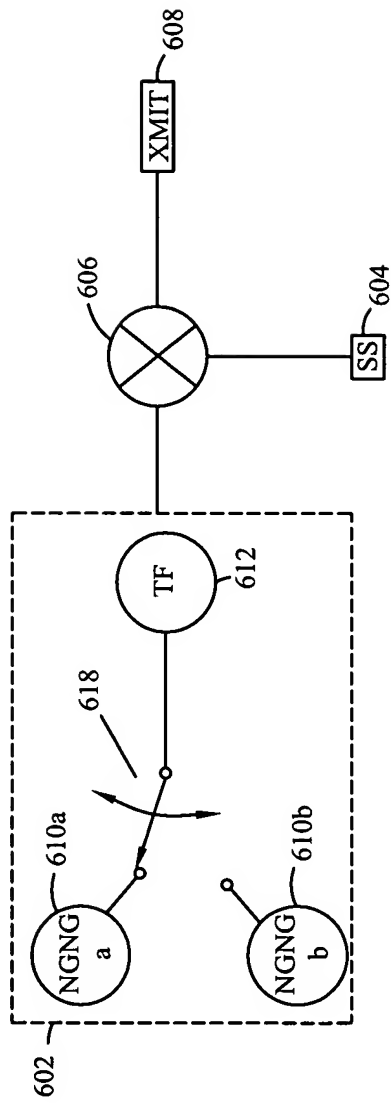


FIGURE 6d

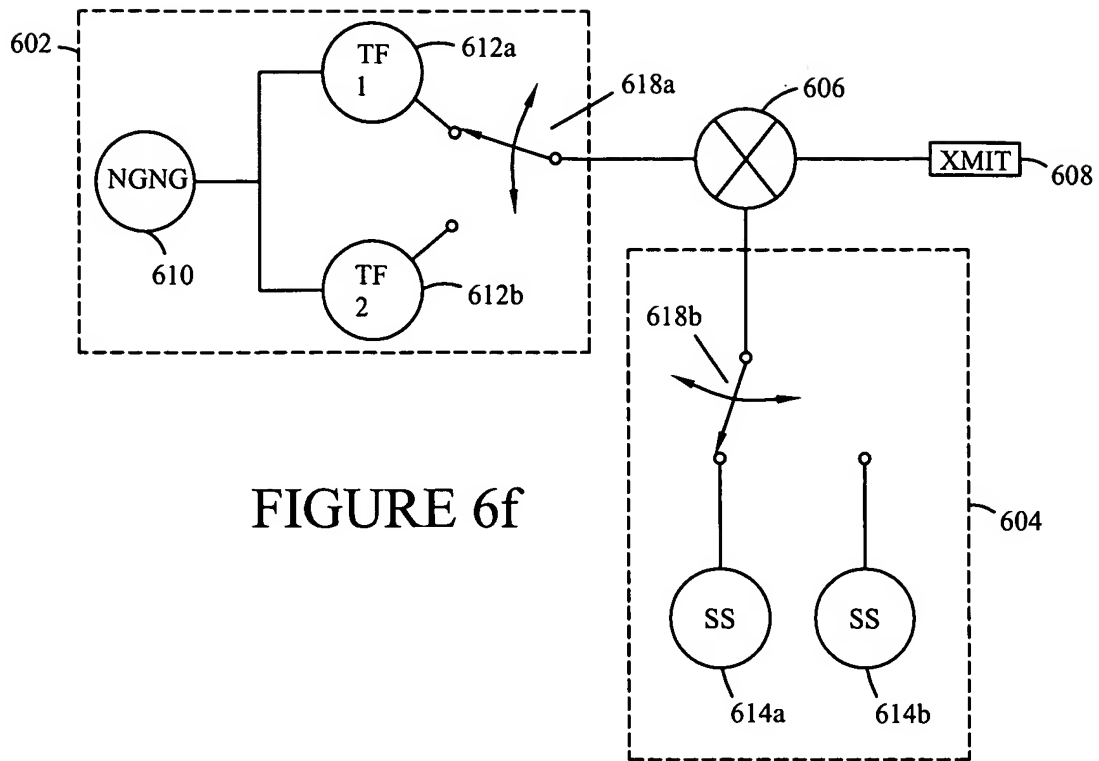


FIGURE 6f

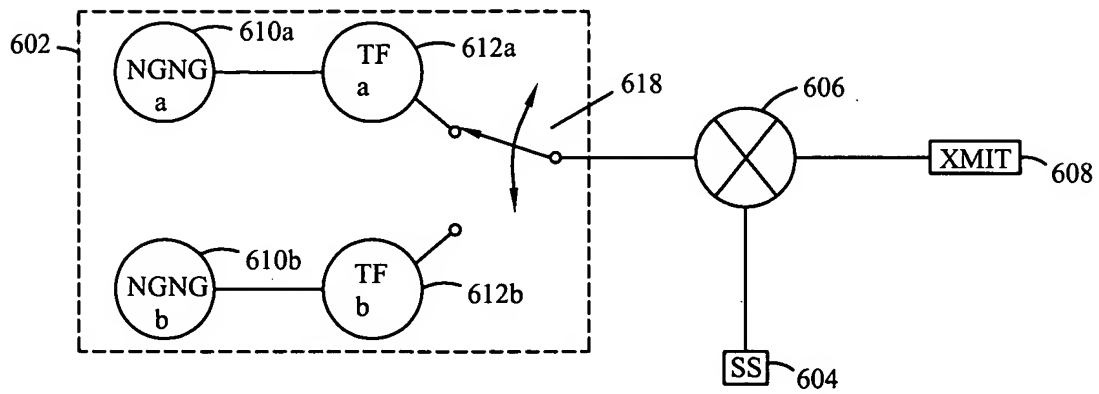


FIGURE 6e

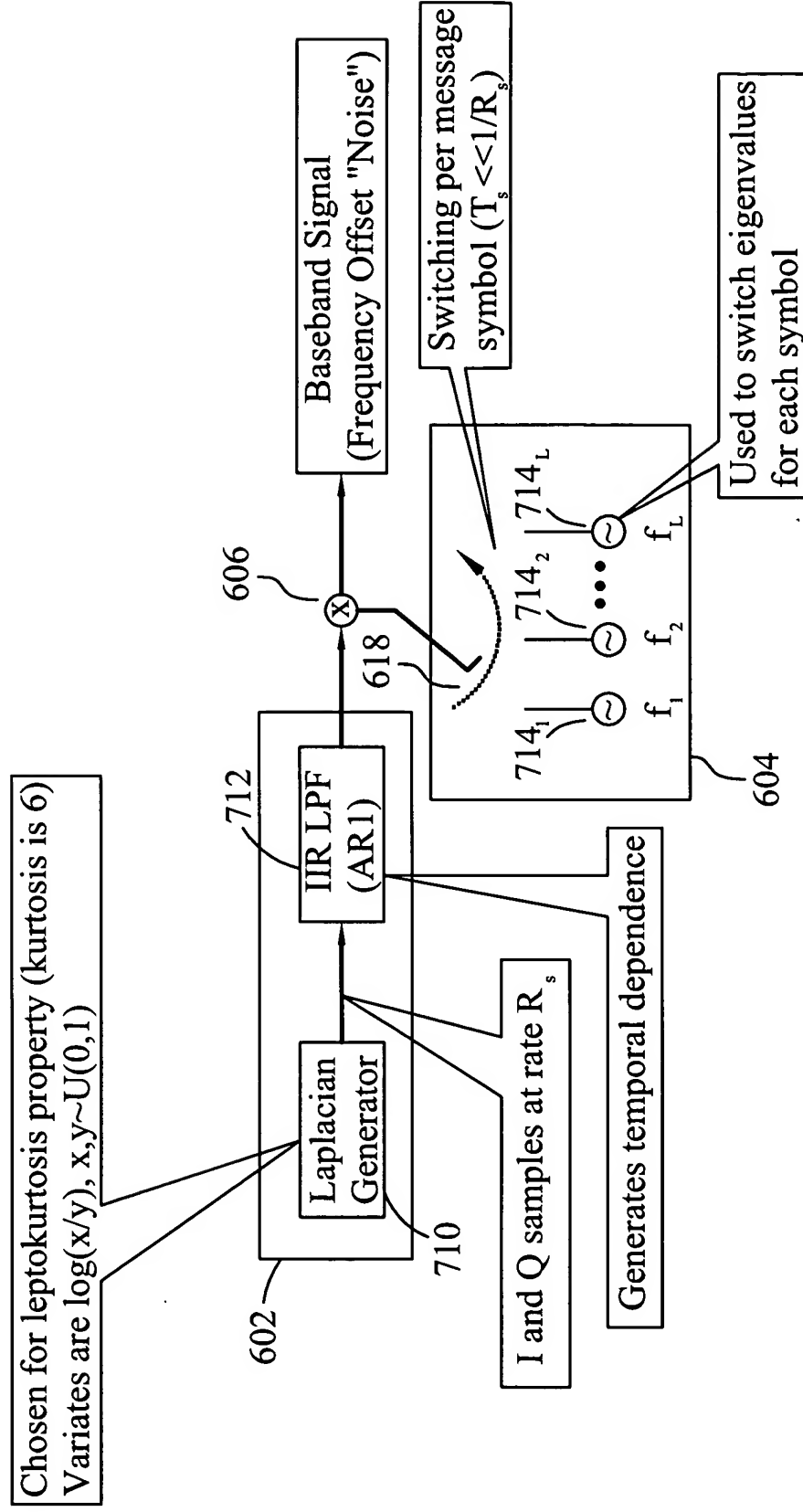
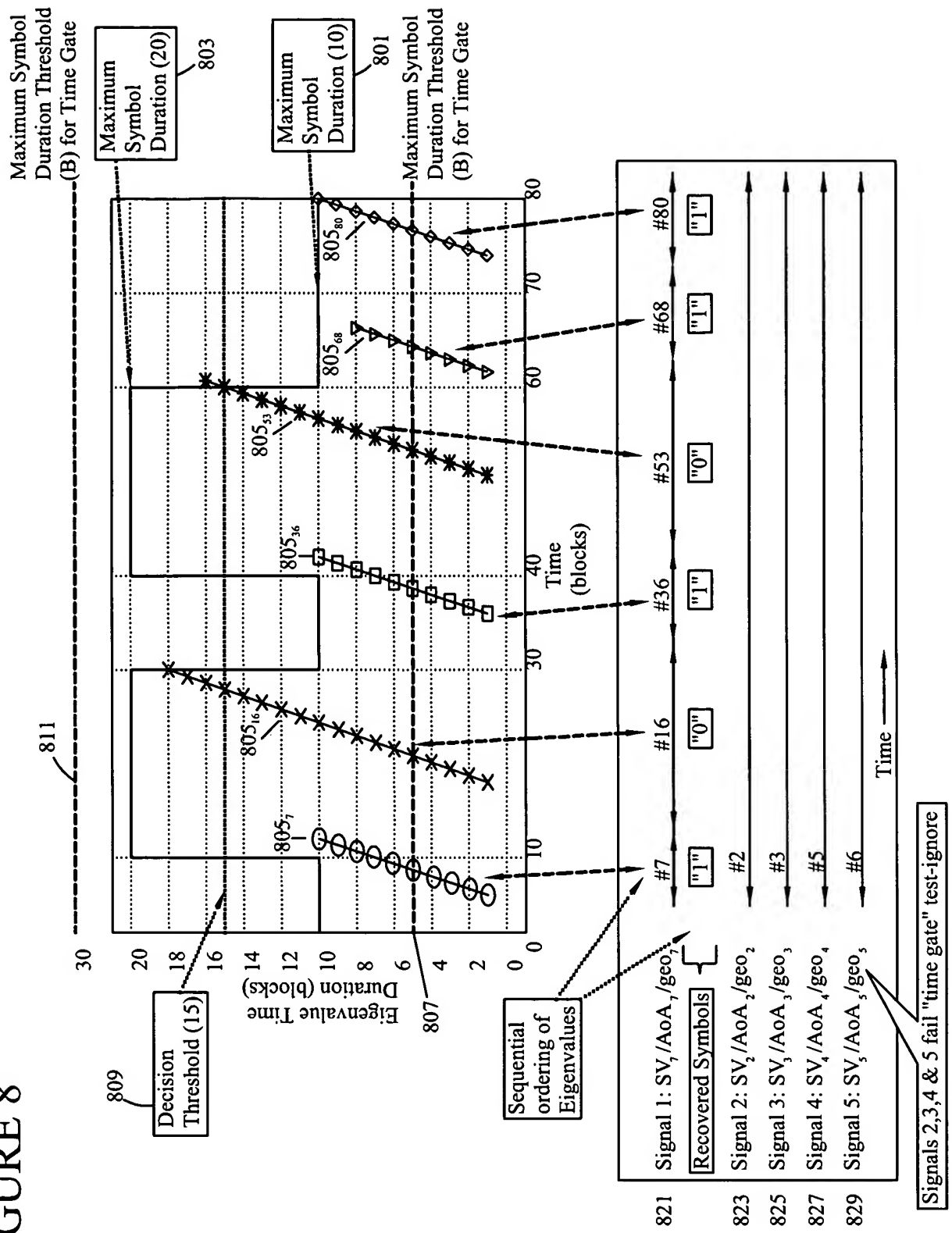


FIGURE 7

FIGURE 8



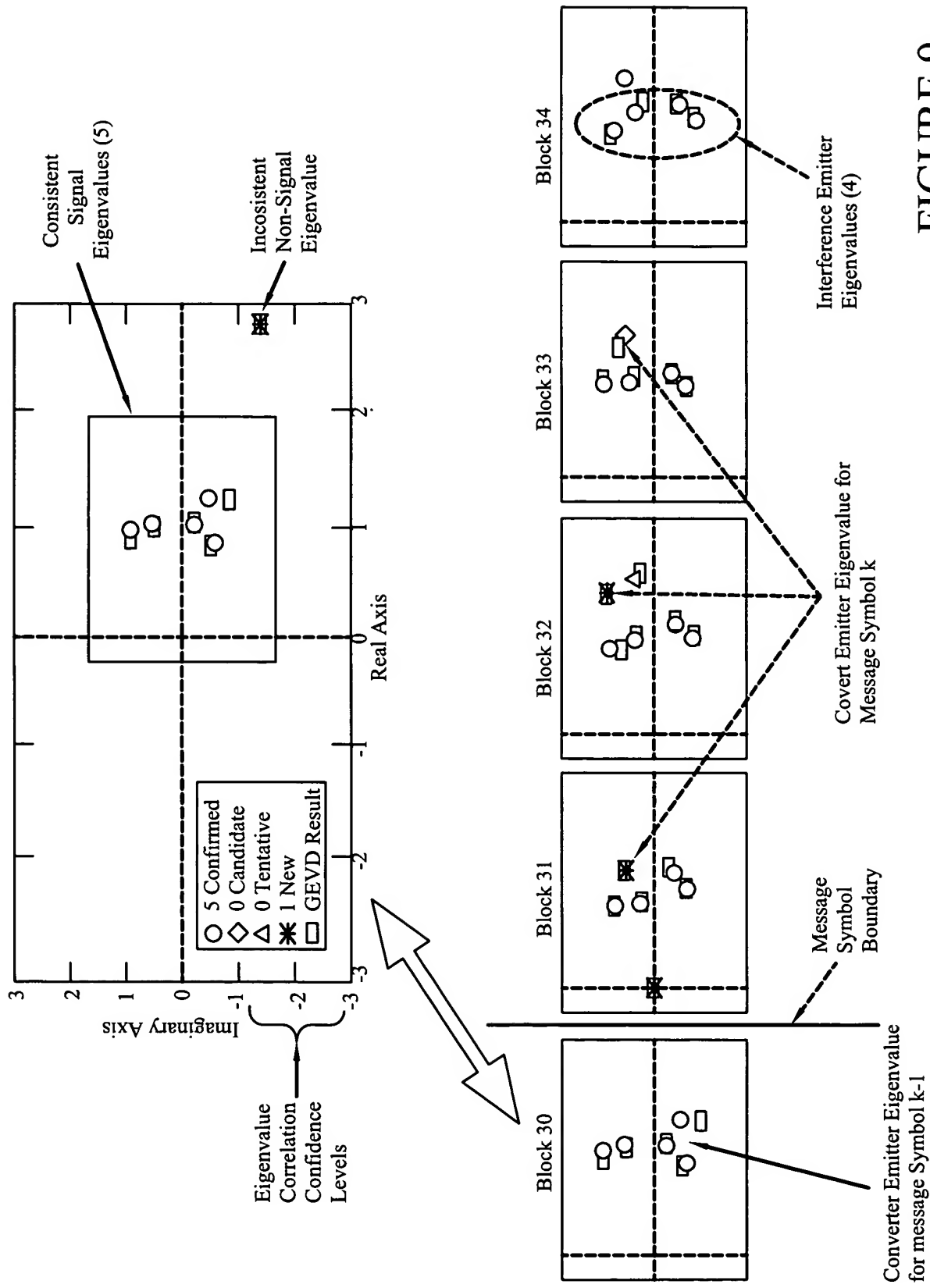


FIGURE 9

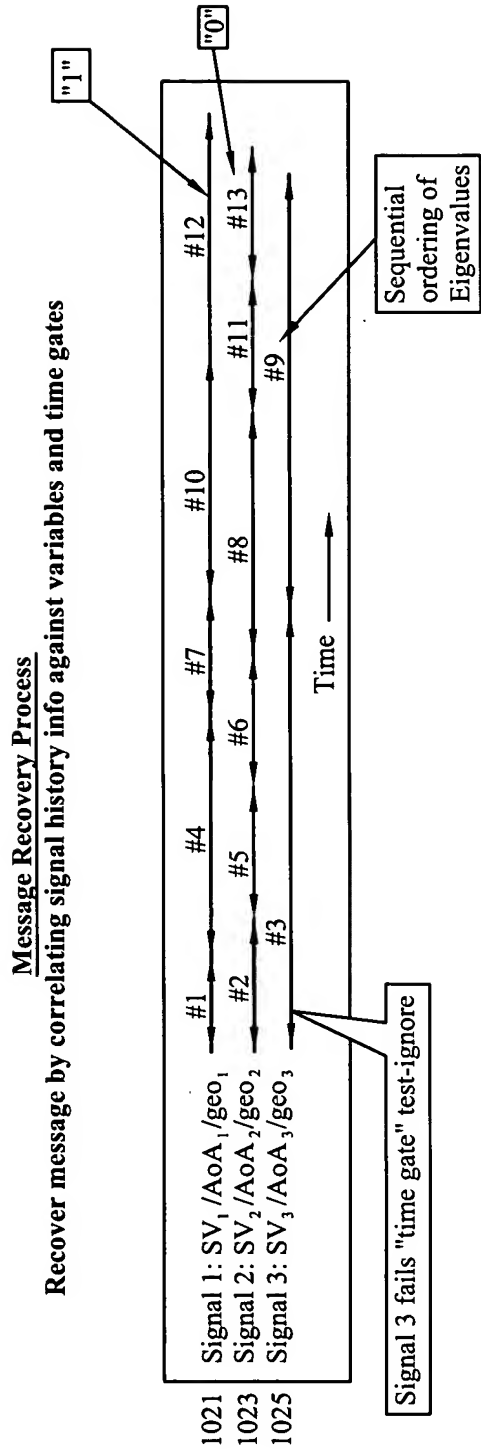
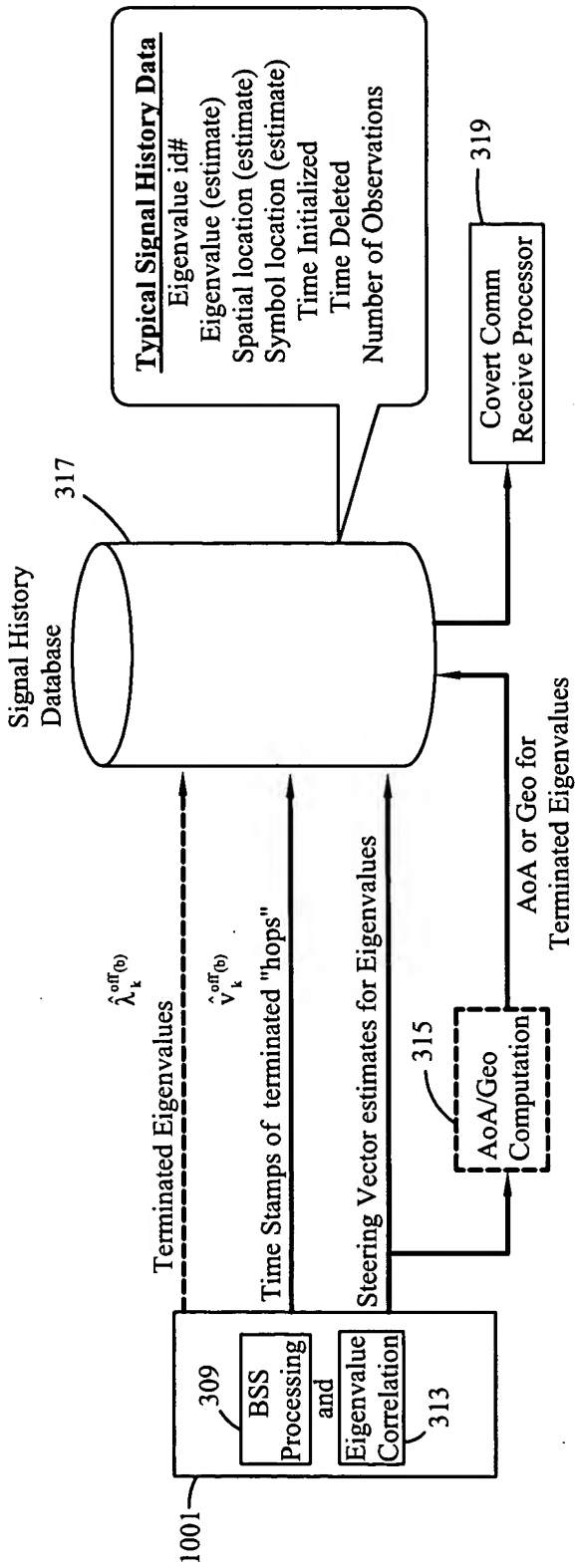


FIGURE 10

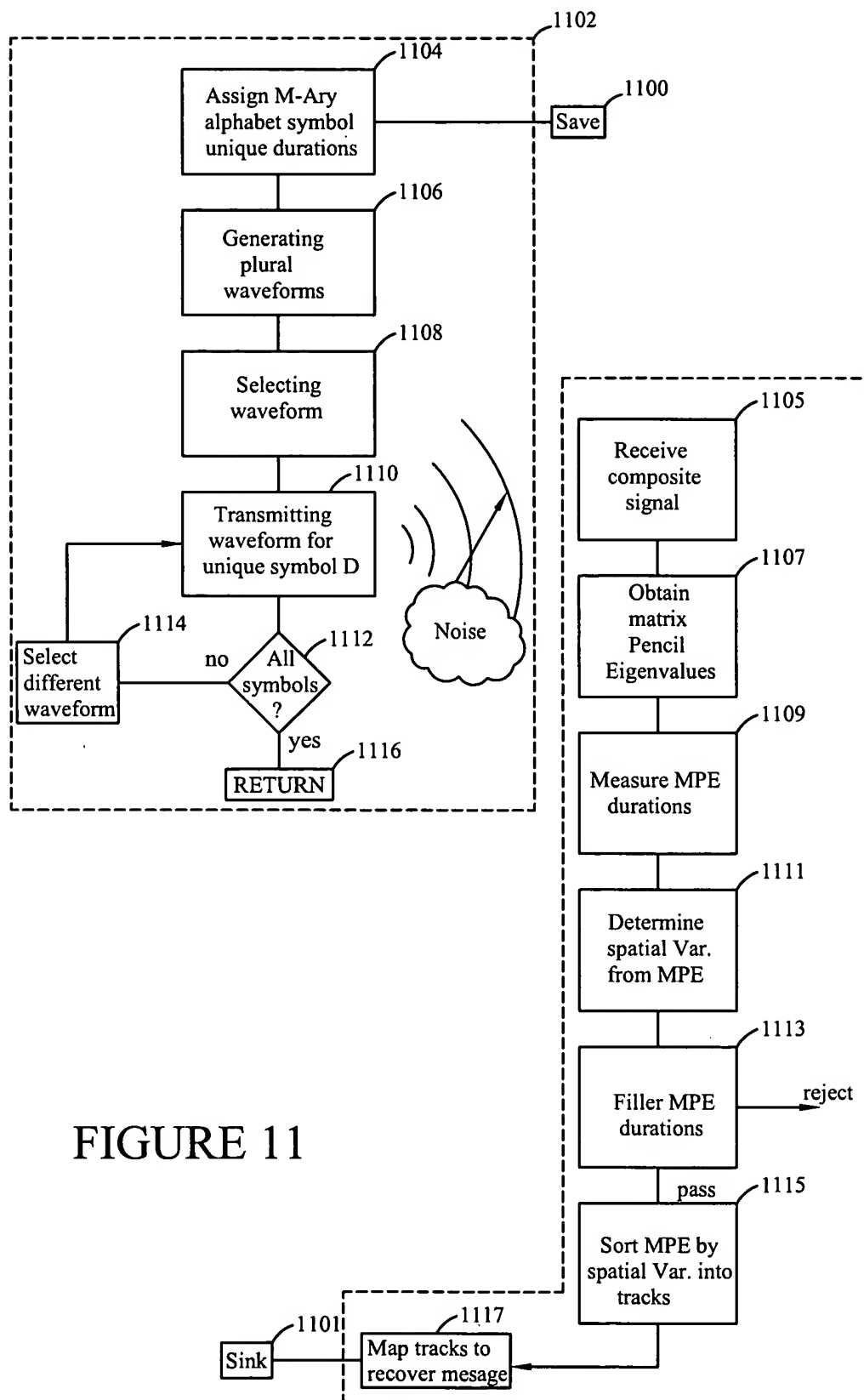
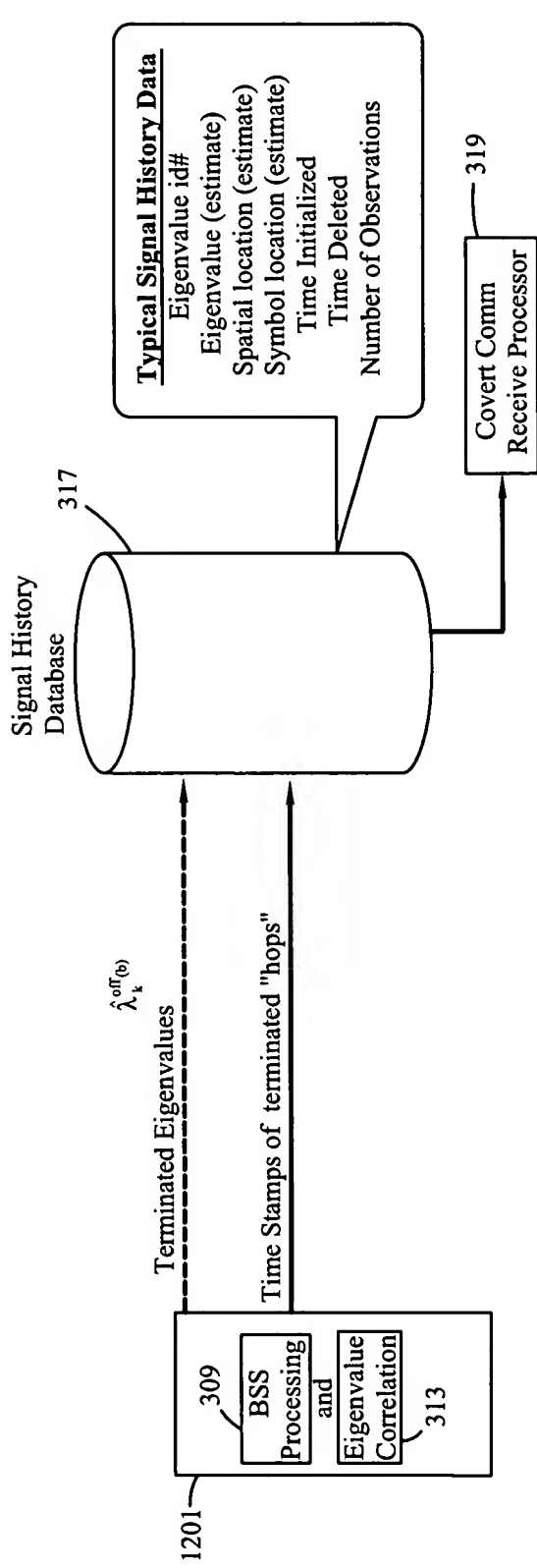


FIGURE 11



Message Recovery Process
 Recover message by correlating signal history info against variables and time gates

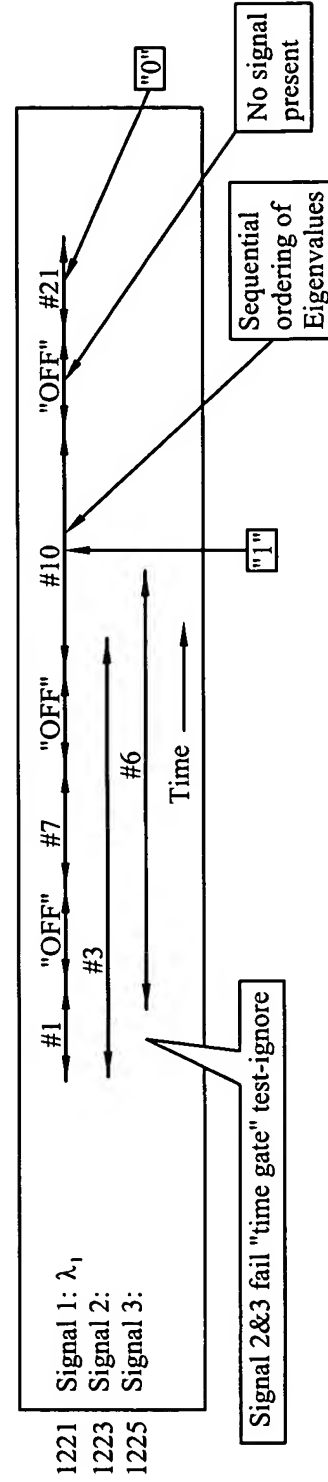
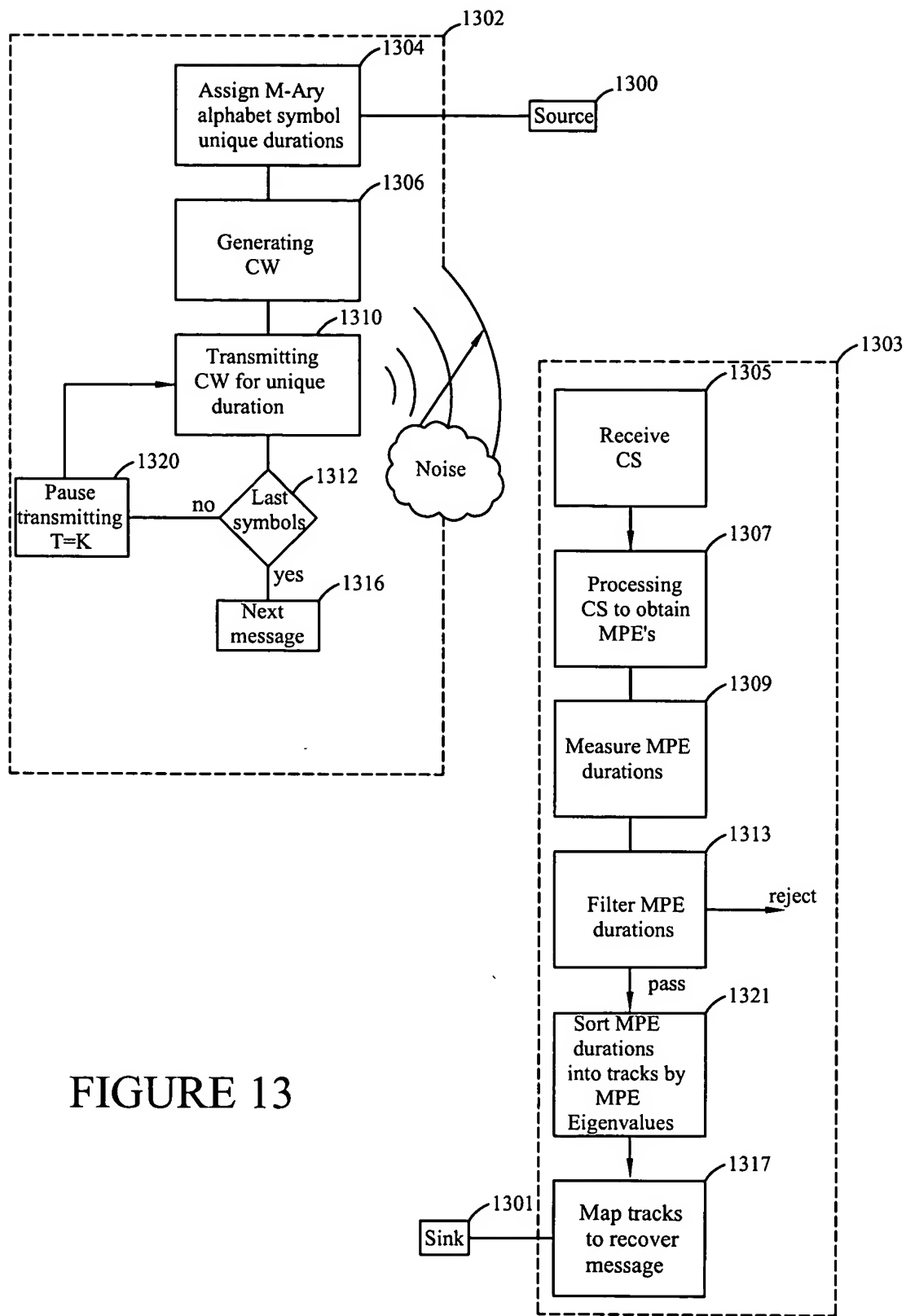


FIGURE 12



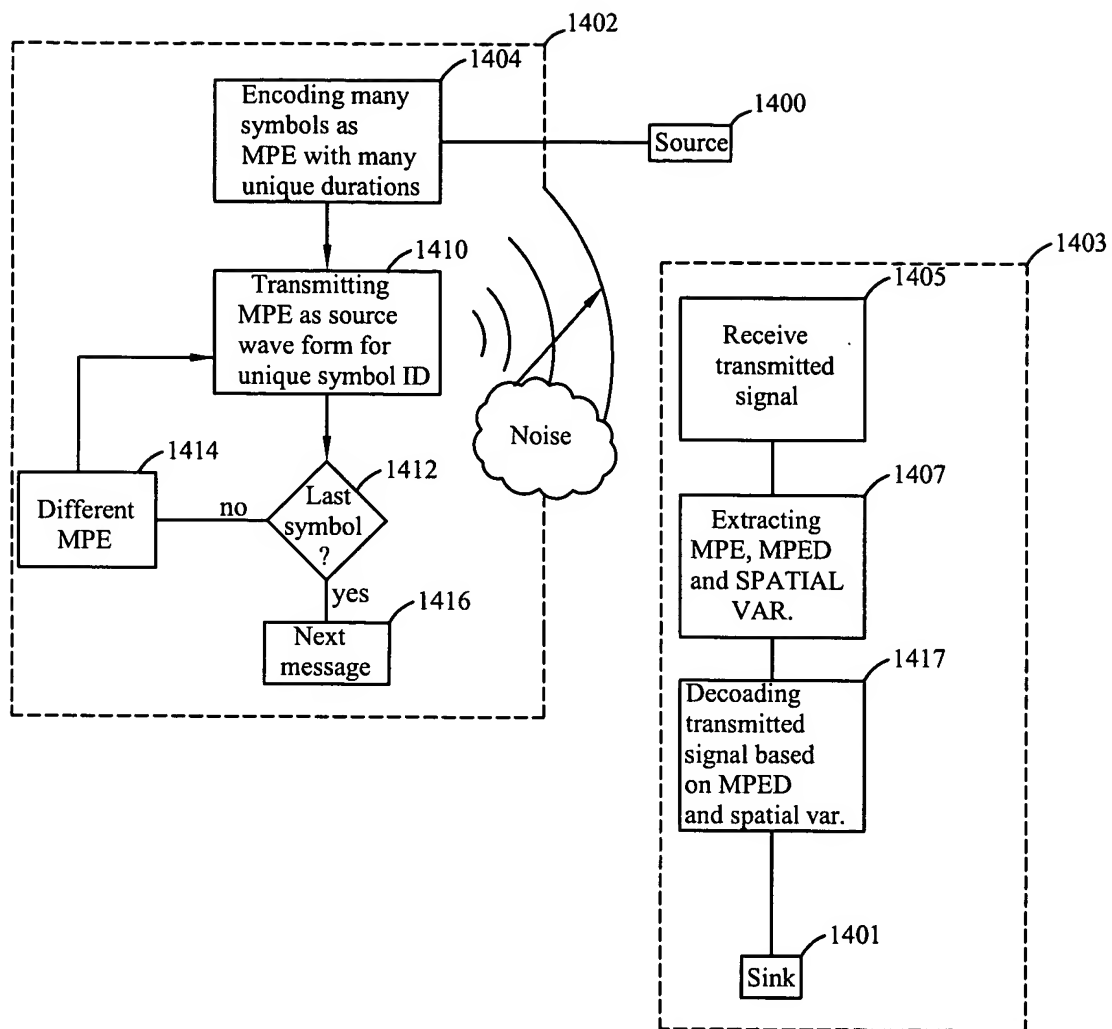


FIGURE 14

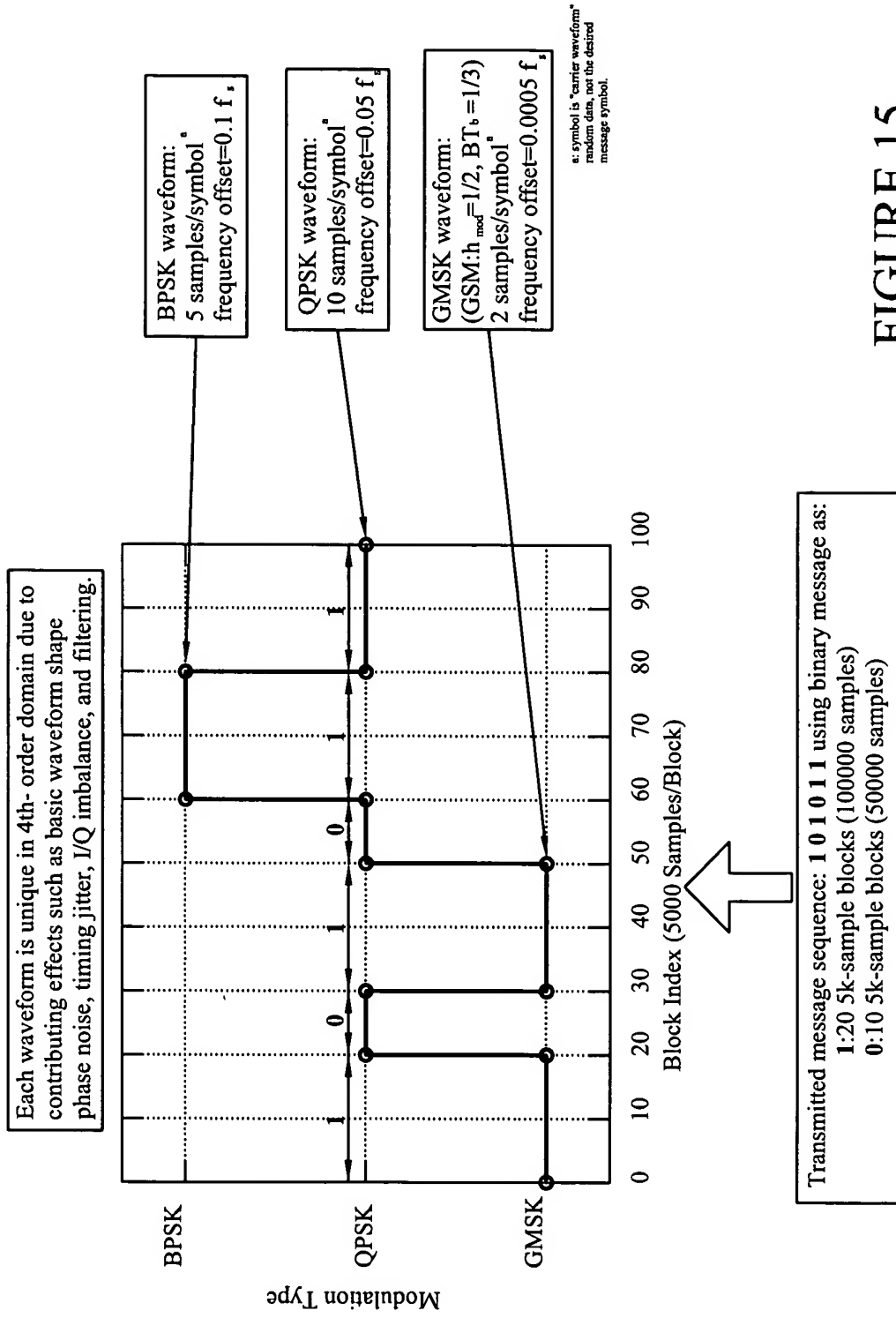


FIGURE 15

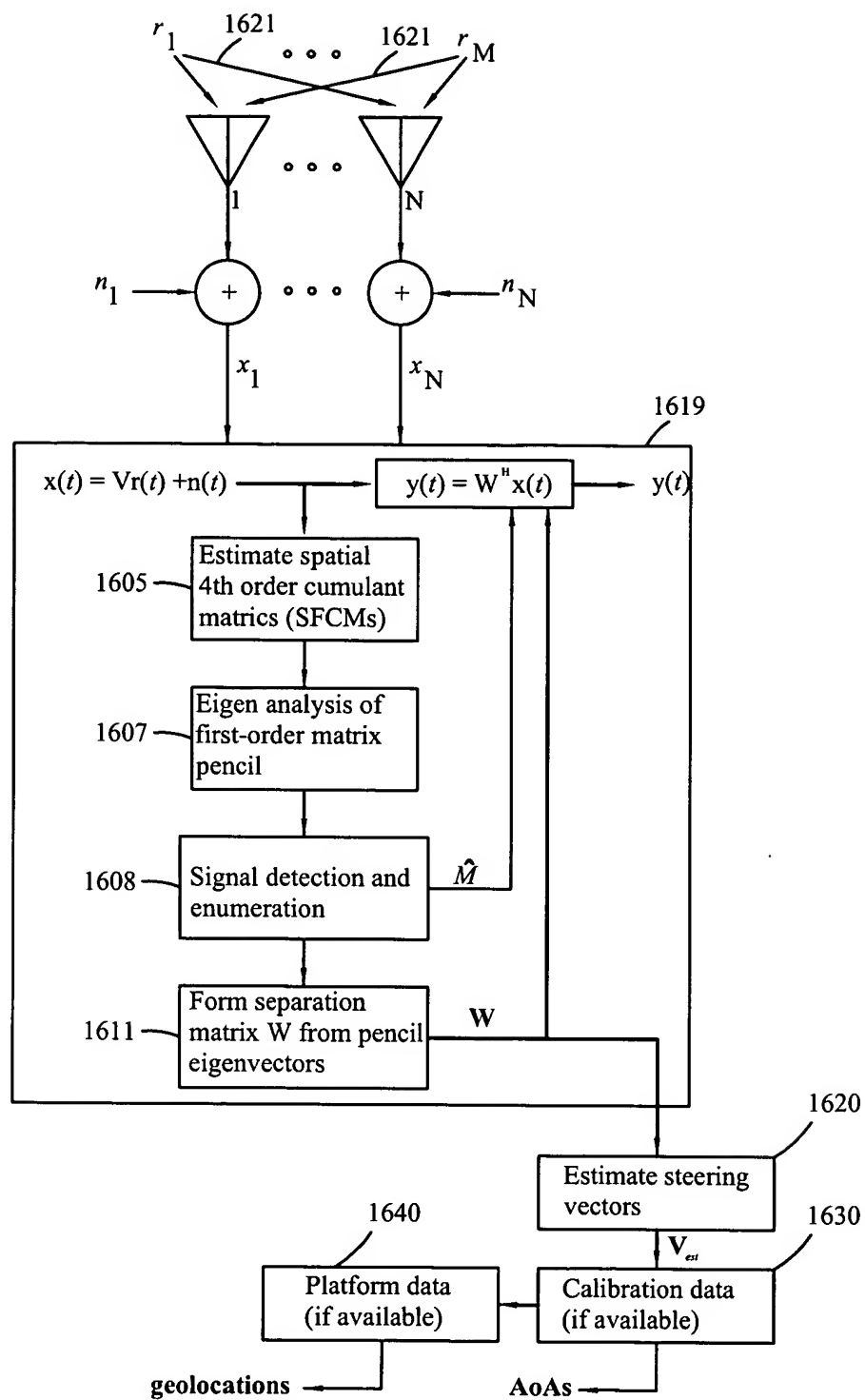


FIGURE 16

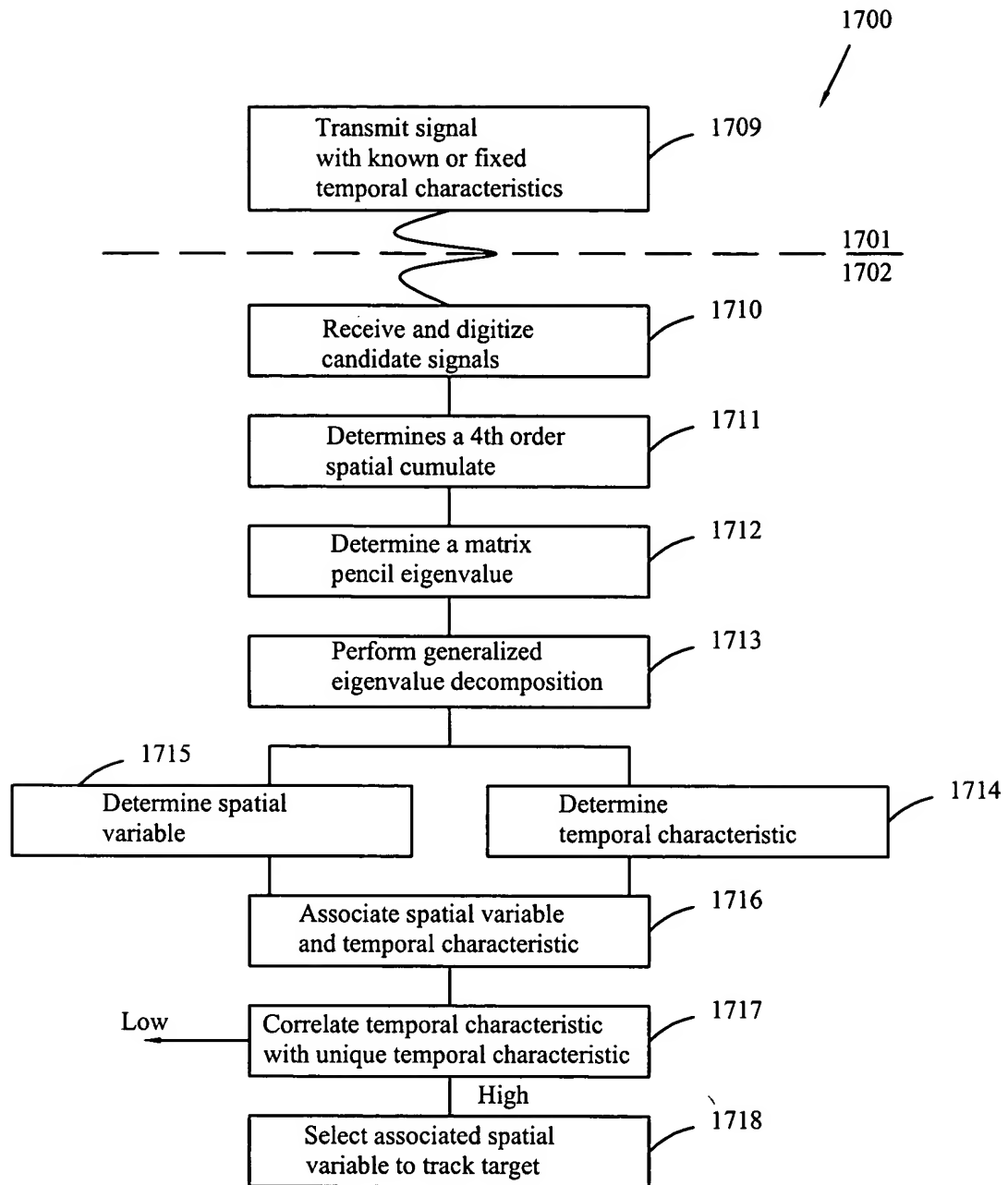


FIGURE 17